

Claims

1. Tank, in particular vehicle fuel tank, having a component mounted therein, said tank comprising:

a tank wall;

5 a shaft having a first end and a second end;

a base portion arranged on said first end of said shaft, said base portion comprising a weld area on its surface facing said tank wall, wherein weld material is arranged in said weld area for welding said shaft to said tank wall; and

a component mounted on said second end of said shaft

10 **characterized in that**

said base portion is wider than said weld area; and

a circumferential area of said base portion is configured so as to, when mounted to said tank wall, at least partially rest on said tank wall.

15 2. Tank according to claim 1, wherein said weld material has a thickness ranging between 2 and 5 mm.

3. Tank according to claim 1 or 2, wherein said weld material is arranged in the form of a cross, an H or a circle.

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4. Tank according to any of claims 1 to 3, wherein

said circumferential area of said base portion comprises protrusions directed towards said tank wall, and

25 said protrusions are dimensioned such that, when said weld material is in contact with said tank wall, said protrusions rest on said tank wall.

5. Tank according to any of claims 1 to 4, wherein
said tank wall comprises protrusions directed towards said base portion,
and
said protrusions are dimensioned such that, when said weld material is in
5 contact with said tank wall, said circumferential area of said base portion rests on said
protrusions.

6. Tank according to claim 4 or 5, wherein said circumferential area,
respectively said tank wall, comprises at least three protrusions, said protrusions being
10 equidistant from each other.

7. Tank according to claim 4 or 5, wherein said protrusions are joined
together so as to form a circumferential rib.

15 8. Tank according to any of claims 1 to 3, wherein
said tank wall comprises a recess for receiving said weld material, and
said recess is dimensioned such that, when said weld material is in
contact with said tank wall, said circumferential area of said base portion rests on said
tank wall.

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9. Tank according to any of claims 1 to 3, wherein
said circumferential area of said base portion comprises protrusions
directed towards said tank wall,
said tank wall comprises a recess for receiving said weld material, and
25 said protrusions and said recess are dimensioned such that, when said
weld material is in contact with said tank wall, said protrusions of said base portion rest
on said tank wall.

10. Tank according to any of the previous claims, wherein
said tank is a fuel tank, and
said component is a fuel level sensor, a fill or vent valve or a jet pump.

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11. Tank according to any of claims 4 to 8, wherein said shaft and said
base portion and, where applicable, said protrusions or said circumferential rib are
formed in one piece.

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12. Mounting feature for mounting a component inside a tank, in
particular inside a vehicle fuel tank, said mounting feature comprising:

a shaft for mounting said component thereon;

a base portion at one end of said shaft; and

weld material arranged in a weld area of said base portion, for welding

15 said mounting feature to a tank wall,

characterized in that

said base portion is wider than said weld area; and

a circumferential area of said base portion comprises protrusions, said
protrusions being configured so as to, when mounted on said tank wall, be directed

20 towards and rest on said tank wall.

13. Mounting feature according to claim 12, wherein said
circumferential area comprises at least three protrusions, said protrusions being
equidistant from each other.

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14. Mounting feature according to claim 12 or 13, wherein said
protrusions are joined together so as to form a circumferential rib.